

## Abstract

5 A process is described for producing a catalyst for gas-phase oxidations, in which a suspension of  $\text{TiO}_2$  and  $\text{V}_2\text{O}_5$  particles is applied to a fluidized inert support, wherein at least 90% by volume of the  $\text{V}_2\text{O}_5$  particles have a diameter of 20  $\mu\text{m}$  or less and at least 95% by volume of the  $\text{V}_2\text{O}_5$  particles have a diameter of 30  $\mu\text{m}$  or less. The defined particle size distribution of the  $\text{V}_2\text{O}_5$  allows a high coating efficiency.